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1936

Ill. Coll.

Itinerary
Annual Inspection Trip
of the
College of Engineering
University of Illinois



Urbana, Illinois
1936



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Annual Inspection Trip
of the
College of Engineering
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CURRICULA OF THE COLLEGE OF ENGINEERING

The curricula offered by the College of Engineering at the University of Illinois includes the following:

Agricultural Engineering

Options: Construction &
Drainage; Machinery &
Power

Ceramics

Ceramic Engineering

Option in Administration

Civil Engineering

Options: General; Highway;
Hydraulic; Sanitary;
Structural; City Planning

Electrical Engineering

Engineering Physics

General Engineering

Mechanical Engineering

Metallurgical Engineering

Mining Engineering

Options: Coal; Ore; Mining
Geology; Administration

Railway Engineering

Options: Civil; Electrical;
Mechanical

Graduate work leading to a Master's degree is offered in a wide variety of engineering subjects. Doctor's degrees may be earned in the major fields.

Annual Inspection Trip

College of Engineering

University of Illinois

GENERAL DIRECTIONS

Be Prompt

ALL MEMBERS of the party are required to report promptly at the appointed time and place. Instructors will call the roll at each place visited and any student absent from roll call will not be permitted to join the party until time for the next event on the itinerary. Absence from roll call is sufficient justification for the dismissal of the student from the party, and for reporting him to the proper authorities at the University.

Hotel arrangements for the party will be made in advance. Students may be permitted to make other arrangements for lodging when such request seems reasonable to the instructor in charge. Necessary permits should be obtained prior to Saturday, October 31.

Be Courteous

Permission to visit the several places listed in the itinerary is a courtesy extended to the Uni-

versity which involves some expense and trouble to the management of these companies. Members of the party should be appreciative of this fact and conduct themselves properly as representatives of the University. It is particularly desirable that everyone refrain from smoking within the confines of the plants visited and that all fully observe posted regulations.

Any student who fails to conduct himself properly during an inspection trip will be reported to the University Committee on Discipline.

Since the University can have no proper control over others than those in regular attendance during these trips, friends of students will not be allowed to accompany the party except by permission previously obtained from the instructor in charge. This privilege will be extended only in rare instances and when the reasons for the request seem fully sufficient.

Be Careful

While members of the faculty who are in immediate charge of these trips will make every effort to provide for the comfort and safety of the students in the party, there is, of course, some slight element of personal danger on railway trains, street cars, and in plants visited. Neither the owners of the plants visited, the University, nor members of the faculty can assume any responsibility for accidents which may

occur to students during the trip. Proper care and deportment at all times will greatly reduce the possibility of accidents.

Be Observing

Inspection trips are required because it is believed that the educational advantages resulting from the inspection of large industrial enterprises fully justify the time and expense involved. To realize this ideal, however, students must use every endeavor to secure a correct impression of the places visited, an appreciation of the general nature of the plant inspected and of its product, rather than of minor details.

Each student will be required to submit an acceptable report of the trip to the head of his department or to pass an examination to determine the extent and accuracy of the information secured, at a date to be fixed by the department concerned.

Railroad and Hotel Service

The Illinois Central Railroad has authorized a special round trip rate of \$2.55 between Champaign and Chicago with certain conditions. Each student making the trip must purchase a ticket sometime between November 1 and Wednesday noon, November 4. At the time of purchasing the ticket he will be given only the return trip

coupon which he must show on the trip to Chicago and use on the return trip. A blanket ticket will be issued covering the trip to Chicago. As this rate is good only when there are 75 or more on the same train, students desiring this rate should take the train at 6:05 p. m., Wednesday, November 4. It will be necessary to pay a higher rate on any other train. The return coupons will be good on any train leaving Chicago, Saturday, November 7 or Sunday, November 8.

The same procedure will be followed for the trip from Chicago to Milwaukee. Tickets must be purchased at the Chicago, North Shore and Milwaukee Railroad Terminal, 223 S. Wabash Ave. before boarding the train. Stop over privilege at Waukegan will be allowed for the Mechanical, General and Agricultural engineers.

The Chicago headquarters during the trip will be the Atlantic Hotel located at 316 South Clark Street. The Waukegan headquarters will be at the Karcher Hotel at Washington and Utica Streets.

The rates at these hotels will be as follows:

	<i>Chicago</i>	<i>Waukegan</i>
Single room with bath...	\$2.00-\$3.00	
Single room without bath	1.25	
Double room with bath..	1.50	\$1.00
Large room for 4 to 6 with bath.....	1.25	1.00
Large room for 4 to 6 without bath.....	1.00	

Student Automobiles

The University regulations require that a student or instructor driving a car on an inspection trip must have a special permit from the University and that any students riding with him must have the authorization of their parents to do so, and also have travel accident insurance.

Absence From Class

Rule 23 of the regulations for undergraduate students applies for all absences from class just before or just after an inspection trip.

It should be noted that Chicago and Waukegan are on Eastern Standard Time (EST).

AGRICULTURAL ENGINEERING

Wednesday—November 4

- 6:05 p. m. (CST) Leave Champaign on Illinois Central Train for Chicago.
- 10:30 p. m. (EST) Arrive at Chicago and proceed to Atlantic Hotel, 314 S. Clark Street.

Thursday—November 5

- 7:50 a. m. (EST) Assemble in the lobby of the Atlantic Hotel, Chicago.
- 8:00 a. m. Leave Atlantic Hotel by bus for Wisconsin Steel Works, Chicago.
- 9:00 a. m. Inspect Wisconsin Steel Works.
- 12:00 noon Lunch at Hyde Park Y.M.C.A.
- 1:00 p. m. Leave Y.M.C.A. by bus for Archer Ave. and Throop St.
- 1:30 p. m. Inspect tunnel project of Sanitary District.

Friday—November 6

- 7:05 a. m. (EST) Leave Chicago, via Chicago, North Shore and Milwaukee Railroad, 223 S. Wabash Ave., for Milwaukee. Arrive Milwaukee 8:03 a.m. CST and proceed to the Public Service Building. Baggage may be left in the train.
- 8:15 a. m. (CST) Leave Public Service Building in special street cars for works of Harnischfeger Corporation, 4400 West National Ave.

- 9:00 a. m. Enter works for inspection. Lunch at invitation of Harnischfeger Corporation.
- 1:00 p. m. Leave on special street cars for works of Allis-Chalmers Company.
- 1:30 p. m. Enter works of Allis-Chalmers Company.
- 4:45 p. m. Take special street cars for the Public Service Bldg.
- 6:15 p. m. Take special train at Chicago, North Shore and Milwaukee Railroad Terminal for Waukegan. Arrive at Waukegan 8:15 p.m. EST and proceed to the Karcher Hotel, at Washington and Utica Streets.

Saturday—November 7

- 8:00 a. m. (EST) Assemble in the lobby of Karcher Hotel.
- 8:15 a. m. Leave by special North Shore Line Motor coaches, furnished through the courtesy of the Public Service Company of Northern Illinois, for Waukegan Generating Station.
- 8:30 a. m. Inspect Generating Station.
- 10:35 a. m. Leave generating station by special motor coaches for Edison Court Station of Chicago, North Shore and Milwaukee Railroad.
- 10:58 a. m. Take train for Chicago.
- 11:58 a. m. Arrive at La Salle and Van Buren Station, Chicago.
- 12:00 noon Disband.

CERAMIC ENGINEERING

Wednesday—November 4

- 6:30 a. m. Leave Ceramics Bldg. by bus for Lincoln, Illinois.
- 8:00 a. m. Visit plant of Illinois China Company.
- 9:00 a. m. Leave Lincoln for Alton, Illinois.
- 12:00 noon Lunch at Alton.
- 1:00 p. m. Visit plant of Alton Brick Company.
- 2:00 p. m. Leave Alton for Granite City.
- 3:00 p. m. Visit plant of National Enameling & Stamping Co.
- 5:00 p. m. Leave Granite City for St. Louis, Missouri. Go to Mark Twain Hotel, headquarters in St. Louis.

Thursday—November 5

- 8:00 a. m. Leave hotel by bus.
- 8:30 a. m. Visit plant of LaClede Christy Clay Products Co. on South Kingshighway.
- 11:00 a. m. Visit plant of Blackmer and Post Pipe Co.
- 12:00 noon Lunch.
- 1:00 p. m. Visit plant of Winkle Terra Cotta Co., 5739 Manchester Ave.
- 3:00 p. m. Visit plant of Quick Meal Stove Co., 2001 S. Kingshighway.

Friday—November 6

(Tentative—subject to change)

- 6:00 a. m. Leave hotel for Wellsville, Missouri.
- 9:30 a. m. Visit plant of Chicago Fire Brick Co.,
Wellsville.
- 11:30 a. m. Leave Wellsville for Mexico, Mis-
souri.
- 12:00 noon Lunch at Mexico.
- 1:00 p. m. Visit plant of A. P. Green Fire Brick
Co., Mexico.
- 5:00 p. m. Leave Mexico for St. Louis. Go to
hotel.

Saturday—November 7

- 7:30 a. m. Assemble at hotel with baggage.
- 7:45 a. m. Leave St. Louis for Alton, Illinois.
- 9:00 a. m. Visit plant of Owens-Illinois Glass
Company.
- 12:00 noon Leave Alton for Urbana.

CIVIL ENGINEERING

Wednesday—November 4

- 4:00 p. m. Assemble at West end of Engineering Hall.
- 4:15 p. m. Leave by bus for Mark Twain Hotel, 8th and Pine Streets, St. Louis, Missouri.

Thursday—November 5

(Tentative—subject to change)

- 6:45 a. m. Assemble in front of Mark Twain Hotel.
- 7:00 a. m. Leave by bus for St. Charles, Missouri, via Ferguson, Mo.
At Ferguson inspect grade separation work on the Wabash Railroad.
At St. Charles inspect new and old Wabash Railroad bridges over the Missouri River.
- 12:00 noon Lunch at St. Charles.
- 1:00 p. m. Leave by bus for U. S. Dam No. 25 across Mississippi River near Winfield, Mo.
Inspect Dam No. 25.
Return to St. Louis via Alton, Illinois, and if time permits stop at Dam No. 26 to inspect lock and gates.
- 6:45 p. m. Assemble in Room Mark Twain Hotel.
Mr. L. A. Pettus, Division Engineer, Sewers and Paving Section, City of St. Louis, will describe the new express highway and other features of the St. Louis City Plan.

Friday—November 6

- 7:30 a. m. Assemble in front of Mark Twain Hotel.
- 7:45 a. m. Leave by bus, accompanied by Mr. L. A. Pettus, to inspect the Express Highway, Lamella roof of the Arena, Municipal Auditorium, Post Office addition, Soldiers Memorial, and other city plan work.
- 11:45 a. m. Lunch.
- 12:45 p. m. Leave by bus to inspect plant of Mississippi Valley Structural Steel Company at 3117 Big Bend Road.
- 3:00 p. m. Leave plant of Mississippi Valley Structural Steel Company by bus to inspect rolling mill of the Sheffield Steel Company at 6700 Manchester Street.
- 5:00 p. m. Return to Mark Twain Hotel by bus.

Saturday—November 7

- 6:30 a. m. Assemble in front of Mark Twain Hotel.
- 6:45 a. m. Leave by bus for Springfield, Illinois. Inspect dam and water purification plant at Lake Springfield on U. S. 66.
Continue by bus to Springfield. Inspect steel and masonry building construction near State Capitol building.
- 12:00 noon Lunch.
- 1:00 p. m. Leave by bus for Springfield Sewage Disposal Plant.
- 3:00 p. m. Leave by bus for Urbana and disband on reaching campus.

ELECTRICAL ENGINEERING

Wednesday—November 4

6:05 p. m. (CST) Leave Champaign on Illinois Central Railroad.

Thursday—November 5

8:30 a. m. (EST) Leave Atlantic Hotel, Chicago, in special motor coaches for General Electric X-Ray Corporation at 2012 W. Jackson Blvd.

11:30 a. m. Leave plant of General Electric X-Ray Corporation for Franklin Bldg. of Illinois Bell Telephone Co. at 311 W. Washington Street.

12:00 noon Assemble on 18th floor of Franklin Bldg.

12:30 p. m. Luncheon in Illinois Bell Telephone Company Lunch Room.

1:00 p. m. Inspection of electrical communication equipment.

4:45 p. m. Leave Telephone Bldg. for Lighting Institute in Civic Opera Bldg. at 20 North Wacker Drive.

5:00 p. m. Enter Lighting Institute.

6:30 p. m. Leave Lighting Institute and return to Atlantic Hotel.

Friday—November 6

7:05 a. m. (EST) Leave via Chicago, North Shore & Milwaukee Railroad, 223 South Wabash Avenue, for Milwaukee.

- 8:03 a. m. (CST) Arrive at Milwaukee and proceed to Public Service Bldg. of Milwaukee Electric Railway & Light Company.
- 8:15 a. m. Leave on special street cars for works of Harnischfeger Corporation, 4400 West National Avenue.
- 9:00 a. m. Enter works for inspection. Lunch at invitation of Harnischfeger Corporation.
- 1:00 p. m. Leave on special street cars for works of Allis-Chalmers Company.
- 1:30 p. m. Enter works of Allis-Chalmers Company.
- 4:45 p. m. Take special street cars for Public Service Bldg.
- 5:15 p. m. Get evening meal in near-by restaurant.
- 6:15 p. m. (CST) Take special train at the Chicago, North Shore & Milwaukee Railroad Terminal, stopping to inspect substations at Waukegan and Glencoe.
- 10:45 (EST) Arrive at Atlantic Hotel, Chicago.

Saturday—November 7

- 8:30 a. m. (EST) Leave Atlantic Hotel in special motor coaches for Crawford Avenue Generating Station of Commonwealth Edison Co.
- 9:00 a. m. Enter station for inspection.
- 11:00 a. m. Leave in special motor coaches for Atlantic Hotel and disband.

GENERAL ENGINEERING

Wednesday—November 4

- 6:05 p. m. (CST) Leave Champaign on Illinois Central Train for Chicago.
- 10:30 p. m. (EST) Arrive at Chicago and proceed to Atlantic Hotel, 314 S. Clark Street.

Thursday—November 5

- 7:50 a. m. (EST) Assemble in the lobby of the Atlantic Hotel, Chicago.
- 8:00 a. m. Leave Atlantic Hotel by bus for Wisconsin Steel Works, Chicago.
- 9:00 a. m. Inspect Wisconsin Steel Works.
- 12:00 noon Lunch at Hyde Park Y.M.C.A.
- 1:00 p. m. Leave Y.M.C.A. by bus for Archer Ave. and Throop St.
- 1:30 p. m. Inspect tunnel project of Sanitary District.

Friday—November 6

- 7:05 a. m. (EST) Leave Chicago, via Chicago, North Shore and Milwaukee Railroad, 223 S. Wabash Ave., for Milwaukee. Arrive Milwaukee 8:03 a.m. CST and proceed to the Public Service Building. Baggage may be left in the train.
- 8:15 a. m. (CST) Leave Public Service Building in special street cars for works of Harnischfeger Corporation, 4400 West National Ave.

9:00 a. m. Enter works for inspection. Lunch at invitation of Harnischfeger Corporation.

1:00 p. m. Leave on special street cars for works of Allis-Chalmers Company.

1:30 p. m. Enter works of Allis-Chalmers Company.

4:45 p. m. Take special street cars for Public Service Building.

6:15 p. m. Take special train at Chicago, North Shore and Milwaukee Railroad Terminal for Waukegan. Arrive at Waukegan 8:15 p. m. EST and proceed to the Karcher Hotel, at Washington and Utica Streets.

Saturday—November 7

8:00 a. m. (EST) Assemble in lobby of Karcher Hotel.

8:15 a. m. Leave by special North Shore Line motor coaches, furnished through the courtesy of the Public Service Company of Northern Illinois, for Waukegan Generating Station.

8:30 a. m. Inspect generating station.

10:35 a. m. Leave generating station by special motor coaches for Edison Court Station of Chicago, North Shore and Milwaukee Railroad.

10:58 a. m. Take train for Chicago.

11:58 a. m. Arrive at La Salle and Van Buren Station, Chicago.

12:00 noon Disband.

MECHANICAL ENGINEERING

Wednesday—November 4

- 6:05 p. m. (CST) Leave on Illinois Central Train for Chicago.
- 10:30 p. m. (EST) Arrive at Chicago, and proceed to Atlantic Hotel, 314 S. Clark Street.

Thursday—November 5

- 7:50 a. m. Assemble at Atlantic Hotel, Chicago.
- 8:00 a. m. Leave Atlantic Hotel by busses for Wisconsin Steel Works, Chicago.
- 9:00 a. m. Inspect Wisconsin Steel Works.
- 1:30 p. m. Inspect Crain Co. plant, 4100 South Kedzie Avenue.
- 5:00 p. m. Return to Atlantic Hotel, Chicago.

Friday—November 6

- 7:05 a. m. (EST) Leave Chicago via Chicago, North Shore & Milwaukee Railroad, 223 South Wabash Avenue, for Milwaukee.
- 8:03 (CST) Arrive at Milwaukee, and proceed to Public Service Building.
- 8:15 a. m. Leave Public Service Bldg. via special street cars for Allis-Chalmers Co., West Allis, Wisconsin.
- 9:00 a. m. Inspect plant at Allis-Chalmers Co.
- 1:00 p. m. Lunch at Allis-Chalmers Club House.
- 1:30 p. m. Visit Kearney & Trecker Co., West Allis.

- 4:45 p. m. Return to Chicago, North Shore & Milwaukee Station.
6:15 p. m. Leave Milwaukee for Waukegan.
8:15 p. m. (EST) Arrive at Waukegan and proceed to Karcher Hotel.

Saturday—November 7

- 8:15 a. m. (EST) Leave Hotel via busses for Waukegan Generating Station.
8:30 a. m. Inspect Waukegan Generating Station of Public Service Co. of Northern Ill.
11:00 a. m. Leave for Chicago via North Shore Railroad.
12:00 noon Disband.

METALLURGICAL ENGINEERING

Wednesday—November 4

6:05 p. m. (CST) Leave on Illinois Central Train for Chicago.

Thursday—November 5

6:45 a. m. (EST) Assemble at 63rd and South Park Streets, Chicago.

7:00 a. m. Take Shore Line Bus to Indiana Harbor, Indiana.

8:00 a. m. Visit the Indiana Harbor plant of the Inland Steel Company.

12:00 noon (EST) Lunch.

1:00 p. m. Take bus to East Chicago, Indiana.

1:30 p. m. Visit the plant of the U.S.S. Lead Refinery, Inc., East Chicago, Indiana.

4:00 p. m. Return to Atlantic Hotel, Chicago.

Friday—November 6

6:15 a. m. (EST) Assemble at the Dearborn Station, Polk and Dearborn, of the Chicago and Eastern Illinois R. R.

6:30 a. m. Leave for Chicago Heights, Illinois.

7:30 a. m. Visit American Manganese Steel Co., 389 E. 14th St., Chicago Heights.

9:30 a. m. Visit Columbia Tool Steel Company, Lincoln and State Streets, Chicago Heights.

11:30 a. m. Leave by surface lines for Cicero.

1:00 p. m. Lunch by invitation of Western Electric Company.

2:00 p. m. Inspect plant of the Western Electric Company.

5:00 p. m. Return to Atlantic Hotel.

Saturday—November 7

7:45 a. m. (EST) Assemble at Linberg Steel Treating Company, Laflin and Lake Streets, Chicago.

8:00 a. m. Inspect Linberg Steel Company.

10:00 a. m. Leave for Jackson Park at 57th Street, Chicago.

10:30 a. m. Visit Museum of Science & Industry.

12:00 noon Disband.

MINING ENGINEERING

Thursday—November 5

- 6:00 a. m. Leave Transportation Building for
Wilmington, Illinois, by automobile.
- 9:00 a. m. Visit washing plant and tippie of
Northern Illinois Coal Corporation.
- 12:00 noon Lunch.
- 1:00 p. m. Visit strip pit mines of Northern Illi-
nois Coal Corporation.
- 3:00 p. m. Leave for La Salle, Illinois.
- 6:00 p. m. Dinner and lodging in La Salle, Illi-
nois. Lodging at Mine Rescue Sta-
tion, by courtesy of the Department
of Mines and Minerals, State of
Illinois.

Friday—November 6

- 7:30 a. m. Leave for Ottawa, Illinois.
- 8:00 a. m. Visit mines and mills of the Ottawa
Silica Company, Ottawa, Illinois.
- 12:00 noon Lunch in La Salle.
- 1:00 p. m. Visit coal mine, smelter, and rolling
mill of the Illinois Zinc Company,
Peru, Illinois.
- 5:00 p. m. Return to La Salle.

Saturday—November 7

7:00 a. m. Visit mines and plant of the Marquette Cement Manufacturing Co., La Salle, Illinois.

12:00 noon Inspection trip officially over.

1:00 p. m. Leave for Urbana.

RAILWAY ENGINEERING

Wednesday—November 4

- 6:05 p. m. (CST) Leave Champaign on Illinois Central.
9:30 p. m. Arrive Chicago and proceed to Atlantic Hotel.

Thursday—November 5

- 8:30 a. m. (CST) Take C. B. & Q. train at Union Station for LaGrange, and taxicabs to plant of the Electro-Motive Corporation.
12:20 p. m. (CST) Take C. B. & Q. Bus to Aurora and proceed to shops of the C. B. & Q. Railway.
6:25 p. m. Return to Chicago (C. B. & Q. Bus)

Friday—November 6

Program for this day duplicates exactly that for the Electrical Engineering group.

Saturday—November 7

- 8:30 a. m. (CST) Take Illinois Central Suburban train at Monroe Street to Burnside Station, and proceed to Illinois Central Burnside Shops.
12:00 noon Disband.

DEPARTMENT OF AGRICULTURAL ENGINEERING

Faculty

Professor C. H. Springer

Seniors

Bixby, W. H.
Fuller, K. E.

McGaan, E. W.

DEPARTMENT OF CERAMIC ENGINEERING

Faculty

Professor R. K. Hursh Professor A. I. Andrews

Graduate Students

Barrett, L. R.

Seniors

Ekholm, L. G.	Porter, A. K.
Fay, W.	Rapaport, D.
Gardner, B. C.	Schoeppel, N.
Ginther, J. H.	Schwartz, H. A.
Guild, J. P.	Senters, W. J.
Horelick, J.	Siegel, M. B.
Hummel, F.	Smaltz, H. J.
Jones, G. H.	Snodgrass, H. O.
Kolovsky, L. R.	Turner, W. M.
McFarland, J. E.	Van Houten, R. M.
Miller, M.	Wheeler, P. M.
Petersen, F. A.	

DEPARTMENT OF CIVIL
ENGINEERING

Faculty

Professor H. E. Babbitt
Professor E. E. Bauer
Professor G. W. Pickels
Professor T. C. Shedd

Graduate Students

Ku, W. K.
Chen, K. T.

Seniors

Bonucchi, V. P.	Kingman, D. S.
Brierton, J. L.	Kraft, E. A.
Burns, R. E.	Kristof, L. H.
Deisenroth, J. C.	Kveton, F. A.
DeWan, T. P.	Martan, J. J.
Elden, W. R.	Mooney, Q. M.
Fiedler, Louis	Muhlenbruch, C. W.
Foster, R. F.	Olson, E. H.
Franklin, R. J.	Poppe, C. J.
Freeman, William	Renner, W. A.
Gade, R. H.	Robbins, E. G.
Gardner, R. W.	Robinson, D. S.
Gaudio, C. D.	Rogers, Jack
Goodell, J. M.	Rue, Francis
Gossard, M. L.	Schulz, J. D.
Grier, H. G.	Skinner, H. E.
Grohne, K. E.	Slaymaker, C. M.
Hamilton, J. R.	Steers, S. G.
Heberer, R. L.	Stipp, J. R.
Henderson, F. B.	Tytus, F. J.
Huxmann, R. T.	Willard, W. E.
Ivaska, John	Zelnick, W. E.
Kadow, C. H.	

DEPARTMENT OF ELECTRICAL ENGINEERING

Faculty

Professor E. A. Reid
Professor C. A. Keener
Professor H. A. Brown
Mr. C. E. Skroder

Graduate Students

Stewart, J. A.

Seniors

Ardahl, Ernest H.	Link, Edwin Albert
Berninger, Ernest L.	Little, Richard R.
Brown, Arthur S.	Manchester, Wm. C.
Buck, Wilfred G.	Mauch, Howard B.
Campbell, Carl E.	McSkimin, Herbert J.
Capps, John S.	Mehren, James F.
Carson, Norman R.	Milewski, Walter
Clay, Robert Garnett	Miller, Allen Kearney
Cwiklo, Edward	Miller, James M.
Deitz, Jules	Milner, Carl M.
Dennis, James L.	Nesbitt, Rozell R.
DeWolf, Karle	Parnell, John G.
Dyson, Austin A. R.	Pearson, Harold T.
Eilers, Orville J.	Petersen, Harold A.
Fiske, Charles G.	Pickett, F. Layton
Ghiselli, Frank A.	Quinn, Maurice Leo
Hoban, William P.	Reiman, Gilbert C.
Hong, Edward	Rezny, George M.
Hull, Richard L.	Roth, Kenneth G.
Hunt, John Franklin	Schaefer, Joseph
James, Leo Elbert	Schneider, Robert A.
Janssen, Wilhelm H.	Shapiro, Martin
Kempf, Ray A.	South, Victor Wayne

Townsend, Harold D.
Trachtenberg, Robert
Trummel, Verne E.
Tulles, Verley Reed

Vallette, Charles J. T.
Van Slyck, Clarence E.
Williams, John Robert
Zmeskal, Aldrich

DEPARTMENT OF GENERAL ENGINEERING

Faculty

Professor C. H. Springer

Seniors

Black, Walter
Dudley, E. F.
Heinen, Lawrence
Hennig, J. M.
Lehmpuhl, R. H.

Mitchell, H. H.
Purl, R. C. A.
Stampfle, R. B.
Weldon, Robert

MECHANICAL ENGINEERING DEPARTMENT

Faculty

Professor C. H. Casberg Professor P. E. Mohn
Professor W. N. Espy Professor D. G. Ryan

Seniors

Ackerman, F.	Kaeser, G. A.
Barclay, H. R.	Kush, A.
Barker, J. L.	Lamb, W. S.
Batterton, G. D.	Lannert, E. F.
Berger, Wm.	Lemke, O.
Bergstrand, G. V.	Levy, B. H., Jr.
Blum, David	Lindley, K.
Boyd, J. Wm.	Logan, G. H.
Chessman, H. L.	Lowry, R. K.
Coleman, A. R.	McCafferty, D. W.
Cornell, Edw. Jr.	McDonald, B. N.
Coulter, J. H.	Middlesworth, C. M.
Danielson, L. C.	Milner, D. C.
Donnelly, R. E.	Morton, H. S.
Eason, J. W.	Nilson, H. N.
Eaton, J. W.	Parquette, A. A.
Erickson, H. A.	Peters, W. W.
Fogler, Harold	Rabe, C. L.
Gunn, J. V.	Raddatz, W. D.
Hackett, T. N.	Reeves, J. A.
Harszy, C. H.	Roche, J. J.
Harvey, M. E.	Roglis, W. A.
Heffington, L. A.	Rosander, R. T.
Hess, P. D.	Schlie, F. M.
Huntoon, H. K.	Scholl, H.
Hursh, R. W.	Seddon, K.
Johnson, C. E.	Shanks, R. B.
Jonak, J. H.	Sidell, P. A.

Slonneger, B. K.
Spalding, J. W.
Suhr, K. C.
Tarpley, C. E.
Teiber, J. A.
Valek, Jerry

Walsh, W.
Wellman, E. J.
Wilson, M. S.
Wisegarver, G.
Woleben, J. M.

**DEPARTMENT OF MINING AND
METALLURGICAL
ENGINEERING**

Faculty

Professor D. R. Mitchell Professor A. B. Wilder

MINING ENGINEERS

Graduate Students

Sun, S. C.

Seniors

Adams, E. C.
Gossard, A. G.

Meyer, F. W.

METALLURGICAL ENGINEERS

Seniors

Beattie, C. W.
Carlson, C. B.
Grover, R. E.
McCreery, L. H.
Oehler, H. E.

Richmond, R.
Sherman, J. W.
Snyder, J. A.
Tofft, L.

DEPARTMENT OF RAILWAY ENGINEERING

Faculty

Professor E. G. Young

Graduate Students

Ku, W. K.

Chen, K. T.

Seniors

Ball, N. R.

Moore, M. B.

Johnson, G. D.

Tonning, R. V.

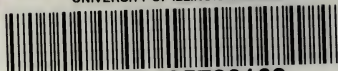
Kirsten, R. J.

Wagner, Edward

Marich, Frederic

White, W. R.

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